

Daily GLOWBUGS

Digest: V1 #45

via AB4EL Web Digests @ SunSITE

Purpose: building and operating vacuum tube-based QRP rigs

[AB4EL Ham Radio Homepage @ SunSITE](#)

%%%% GlowBugs %%%%% GlowBugs %%%%% GlowBugs %%%%% GlowBugs %%%%%

Subject: glowbugs V1 #45

glowbugs

Thursday, May 29 1997

Volume 01 : Number 045

Date: Wed, 28 May 1997 19:27:09 -0400 (EDT)

From: rdkeys@csemail.cropsci.ncsu.edu

Subject: 1925 Hartley article now in GB archives

For your educational enlightenment, I have added Rufus P. Turner's 1925 construction article on a simple single tuber '01A Hartley set (AM and CW) to the GB archives on piobaire.mines.uidaho.edu, in the [pub/Glowbugs/Articles](#) directory.

This is a fine little set, and I have worked 1500 miles in winter on one. It is the simplest, basic loose coupled Hartley oscillator rig, for 160/80M, and can be run with any small receiving triode from the classic '01A to a 6J5 to a 6C4, and if ye holds yer mouthe righte, even an '833 (at QRP, of course). It will run on plate voltges as low as 24 volts and as high as yer conscience (and the tube) permits. I run mine on 48 volts for local QSO's and if I am feeling lusty, on 150 volts for DX work, using a 6J5 tube. If you try AM with it, you are on your own, since I don't run AM, but it uses link modulation from a carbon mike in the primary circuit.

73/ZUT DE NA4G/Bob UP

Date: Wed, 28 May 1997 20:12:30 -0500 (CDT)

From: mjsilva@ix.netcom.com (michael silva)

Subject: FS: Eico 667 Tube Tester

Hi all,

I'm selling my Eico 667 tester that I've used for the last year. It's a "dynamic conductance" tester, meaning it tests both emission and transconductance, but it doesn't actually produce a 'umhos' number on

the meter. The outside is an 8 and the inside is a 10 (no fooling, it had the protective plastic coating on the inside surface when I got it!). The mini 9 pin socket is a little flakey but still works. There were two models of 667, one with internal roll chart and one without -- this is the one without. It comes with copies of the settings book and owner's manual. It will test anything from an '01A to compactrons, but for 4, 5, 6 and 7 pin tubes you'll need to buy or build an adaptor which connects all the pin 1s, all the pin 2s, etc. I cobbled one up just with a medium 7 pin socket and an octal plug to test some 1625s and it worked fine. I was going to mount all four sockets in a little Radio Shack box but never got around to it.

Price is \$60 plus shipping. I thought I'd offer it here on the list before putting it on the swap group. Also open to swaps (books, ???)

BTW, also tests transistors, whatever they are <g>.

73,
Mike, KK6GM

Date: Wed, 28 May 1997 20:45:45 -0500 (CDT)
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: 1st FMT results

Well, the deadline has passed and so posted below are the results of the 1st BA Frequency Measuring Test. I must say that I am disappointed in the response to this event, especially considering the number of LM and BC-221 freq meters out there and all your BA receivers. So I hope next time we have more takers.

Only two people sent me results: Sandy (W5TVW) and Al (N3FRQ). Here are the results:

Xmit freq	Sandy's results	Al's results
1st run		
3,602,096.9 Hz	3,602,142.0 (+42Hz)	3,602,050.0 (-46.9Hz)
7,175,469.4 Hz	7,175,619.0 (+149.6Hz)	7,174,950.0 (-519.4Hz)
14,061,230.6 Hz	14,061,400.0 (+170Hz)	14,060,820.0 (-410Hz)
2nd run		
3,599,733.1 Hz	3,599,900.0 (+167Hz)	none
7,173,924.4 Hz	7,174,380.0 (+455.6)	none
14,069,097.2 Hz	14,069,143.0 (+45.8Hz)	none

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
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630-844-4898 Fax 630-844-5530

Date: Wed, 28 May 1997 22:10:41 -0500 (CDT)
From: Spencer Petri <spetri@e-tex.com>
Subject: Radiotron Designers 4th Ed CDROM

This was posted on boatanchors.

>I was just looking through the Old Colony Sound Lab catalog and the CDROM
>version of the 4th edition has been reduced from \$69.95 to \$29.95. Phone
>is 603 924 6371.

73 de Pete WA5JCI

EM-21--6 Mtr -- WAS #490, WAC CW, DXCC/91 Countries, VUCC #361/618 Grids

2 Mtr -- 36 States -- VUCC #346/183 Grids

Date: Wed, 28 May 1997 22:52:23 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Quick note...

Hi!

Well, ARRL told me it was time to renew, and while on a rare web-browse, I looked again at the RSGB site and was in signing-up mode...so this morning, I called up RSGB and joined! Now to add that second diamond to the QSL cards... :) (Considering looking into WIA, too--excerpts I have seen from *their* mag look awfully interesting!)

Noticed there's an RSGB history book available--has anyone here read it? Looks interesting, similar to "200 Meters and Down" but continuing up to the present day.

73,
--Bobbi

Date: Thu, 29 May 1997 06:01:00 GMT
From: ralph.hartwell@emachine.com (Ralph Hartwell)
Subject: Bad GRC-109 Experience pl

C>Upon examination of the TX plug, I found a crack in it, going from the HT
C>pin through the inert pin to the ground pin. It also scorched the surface
C>of the PSU TX socket (a small area of surface damage only, I believe).

<snip>

C>Does anyone know where I might find a replacement plug and cord for the 109
C>TX? Failing that, does anyone know where I might find a plug matching the
C>TX plug, even if not original equipment? Failing that, has anyone any ideas
C>how I might solve my problem? Perhaps I could purchase someone's derelict

Well, I'm at a disadvantage, not having seen the connector, but that won't stop me from giving advice. <G>

I have repaired some cracked/arced connectors in the past by drilling a small hole through the crack in the insulator where the crack runs between the pins.

Date: Thu, 29 May 1997 08:37:49 -0700 (MST)
From: Jeff Duntemann <jeff.duntemann@coriolis.com>
Subject: 1st cut at schematic for 3-tube 12V DC receiver

Hi gang--

I've posted the first cut at a schematic for my 80m 3-tube space charge (that is, 12V on the plates) tube direct conversion receiver on my FTP site. NOTE WELL that this is NOT a perfected schematic. I've gotten all three stages functioning at one point or another in different prototype lashups, but this is the first time all three have been together in this configuration. So I would bet it's pretty close.

I'm currently waiting for some coils for the RF amp and converter stages. Last night I made the audio amp work but am still tinkering with the triode plate resistor. 47K from 12V to plate works pretty well, but I've got additional experiments planned and that value is tentative. (I have no design tables or formulae for resistance coupled amps running at 12V on the plates!) I tried a 12K5 single-stage amp, as described in a message I posted here last week, but I couldn't get the gain I wanted and had to move to the 12AL8 triode-tetrode. That one seems to have all the gain I need. Apart from the plate voltage the circuit is pretty conventional.

If anyone would like a look at the schematic I'm working to, go get:

<ftp://ftp.coriolis.com/pub/Shareware/dcrcvr.zip>

There are Visio version 2, 3, and 4 files, plus an AutoCAD file and a Windows Metafile (.WMF).

I'll post an updated file as soon as I get the coils and figure out what works.

- --73--

- --Jeff Duntemann KG7JF
Scottsdale, Arizona

Date: Thu, 29 May 1997 12:41:41 -0400 (EDT)
From: rdkeys@csemail.cropsci.ncsu.edu
Subject: SCR-54/SCR-54-A Manual now in GB archives

For your educational elightenment, I have placed the WWI U.S. Army SCR-54/SCR-54-A Radio Receiving Set manual in the GB archives at piobaire.mines.uidaho.edu in the Glowbugs/Manuals/SCR54 directory.

This is the WWI trench radio receiver designed to allow air to ground fire control, but used generally in that era as a small portable ground radio set. It is the first U.S. Army set, from what I can tell, that uses a vacuum tube detector as an option, as a regenerative detector. Thus it can glow if required.....(:+)}....

73/ZUT DE NA4G/Bob UP

Date: Thu, 29 May 1997 18:22:36 -0500 (CDT)
From: Dave <gekko95@ix.netcom.com>
Subject: AES Webpage update...

Hi all,

I placed a tube order with AES this morning and asked about a web page. I was told that it is basically ready to go online, but there was a problem with the company building it and the online date has now been bumped to June 15th. I didn't get the URL, but will be easy to find out anyway.

For your info...

Dave WB7AWK

"The Forests Will Echo" - all rights reserved by Studio
book/lights/sound included. Director: Spielberg, S.
Producer: Marshall, F. 1st Cut deadline: August 1, 1997
1st Call: May 29, 1997 6 AM Studio B, stage 1 (non-catered)
email stage manager for individual calls for all trades.

End of glowbugs V1 #45

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Created by **Steve Modena, AB4EL**
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